

**APPENDIX C**  
**GLOSSARY OF ACRONYMS AND ABBREVIATIONS**

## APPENDIX C

### GLOSSARY OF ACRONYMS AND ABBREVIATIONS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SECTION</u>	<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SECTION</u>
A	ampere	6.3	C2I	Command, Control, and Intelligence	2.1, 2.3, 2.4, 2.5, 2.6
A/s	ampere/second	6.7	C3	Command, Control, and Communications	6.0, 6.2, 6.4
ACIPS	Advanced Collective Integrated Protection System	3.4	C3I	Command, Control, Communications, and Intelligence	2.0, 3.3
ACM	Attitude Control Module	1.1, 1.2, 1.3	C4I	Command, control, communications, computers, and intelligence	5.11
ADTS	Asynchronous Digital Transmission Systems	2.2	CAD	Computer-Aided Design	2.3
AG	Australia Group	All	CAD/CAE	Computer-Aided Design/ Computer-Aided Engineering	1.1, 1.3
AGL	above ground level	1.1, 1.4	CAM	Chemical Agent Monitor, Computer-Aided Manufacturing	4.3
AGR	Advanced Gas Reactor	5.3	CANDU	Canadian Deuterium Uranium (Reactor)	5.12, 5.13
Am	Americium	6.7	CAS	Chemical Abstract Service	4.1, 4.4
AS-15s	FSU Cruise Missile	1.3	CBPS	Chemically and Biologically Protected Shelter	3.4
ASTM	American Society for Testing Materials	5.12	CC	Combinatorial Chemistry	3.0
ATCC	American Type Culture Collection	3.0, 3.1	CCD	Charge Coupled Device	5.10
ATACMS	Army Tactical Missile System	1.5	CCL	Commerce Control List	All
ATM	Asynchronous transfer mode	2.2, 2.5	CCM	Computer-Controlled Machines	5.9
AVLIS	Atomic Vapor Laser Isotope Separation System	5.2	CCS	Common Channeling Signaling	2.5
B	Biological	3.0, 3.1, 3.2, 3.3, 3.4	CEP	circular error probable	1.1, 1.2, 1.3
B/T	Biological/Toxin	3.1, 3.3	CFD	Computational Fluid Dynamics	1.3, 1.4, 5.2
BGO	Berium Germanate	5.10	CHEMEX	Chemical Exchange Process	5.2, 5.5, 5.12
BLOS	Beyond Line-of-Sight	2.1	CID	Charged Injection Device	5.10
BLSRs	Bi-directional Line-switched Rings	2.1, 2.2, 2.5	CMIP	Common Management Information Protocol	2.5
BLU 80/B	Bigeye Weapon	4.2	CMM	Coordinate Measuring Machines	5.9
BRM	Biological response modifier	3.1, 3.4	CNC	Computerized Numerically Controlled	5.0, 5.9
BTU	British Thermal Units	1.1, 1.4	CNM	Customer Network Management	2.5
BW	Biological Weapon(s)	3.0, 3.1, 3.2, 3.3, 3.4	CO	Central Office	2.2
BWC	Biological Weapons Convention	3.0			
BWR	Boiling Water Reactor	5.3			

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SECTION</u>
COCOM	Coordinating Committee for Multilateral Strategic Export Controls	2.5
COLEX	Column Exchange	5.0, 5.5
CONUS	Continental United States	6.6
COTS	Commercial-off-the-shelf	2.0, 2.1, 2.2, 2.3, 2.4
CPE	Customer Premises Equipment	2.1, 2.5
CPU	Central processing unit	1.3
CSUs	Channel Service Units	2.1
CT	Computed Tomography	1.1, 1.2
CTBT	Comprehensive Test Ban Treaty	2.5, 5.10, 6.1
CVD	Chemical Vapor Deposition	1.4
CW	Chemical Weapon(s)	4.0, 4.1, 4.2, 4.3, 4.4
CWC	Chemical Weapons Convention	4.0, 4.1, 4.4
D	Deuterium	5.5, 5.6, 5.13
D.C.	Direct Current	4.1, 5.5, 5.7
dB	decibel	1.3
DCE	Distributed Computing Environment	2.3
DCN	Data Communication Networks	2.5
DCS	Digital Cross-Connect Systems	2.1, 2.2
DD/DT	Deuterium Deuterium/Deuterium Tritium	5.6
DEMP	Dispersed Electromagnetic Pulse	6.6
DES	Data Encryption Standard	1.1
DF	Difluor: methyl phosphonyl difluoride	4.1
DGZs	Designated Ground Zeros	2.1
DLC	Digital Loop Carrier	2.6
DMSO	Dimethyl sulfoxide	3.2
DNA	Desoxyribonucleic acid	3.0, 3.1, 3.3
DNHR	Dynamic Non-Hierarchical Routing	2.1
DoD	Department of Defense	2.3, 5.10, 5.11
DOE	Department of Energy	5.1, 5.2
DS	Digital Signals	2.2
DS-0	Digital Signal level 0	2.2
DS-I	Digital Signal level 1 = 544 mbytes	2.2

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SECTION</u>
DS-N	Digital Signal Hierarchy	2.2
DSUs	Data Service Units	2.1
DT	Deuterium Tritium	5.6
e.b.b	Equivalent blackbody	6.2, 6.3
EAA	Export Administration Act	Preface
EAR	Export Administration Regulations	1.4, 2.1, 2.2, 2.3, 2.5, 4.2, 4.4
EBR-II	Experimental Breeder Reactor II	5.4
ECCM	Electronic Counter-countermeasures	4.2, 5.7
ECM	Electronic Countermeasures	4.2, 5.7, 5.9
EDM	Electrical Discharge Machines	5.9
EHF	Extremely High Frequency	6.5
ELEX	Electroexchange	5.5
EM	Electromagnetic	5.0, 5.2, 6.6, 6.7
EMIS	Electromagnetic Isotope Separation	5.0, 5.1, 5.2
EMP	Electromagnetic Pulse	5.9, 6.0, 6.1, 6.4, 6.6, 6.7, 6.8
EO	Electro-Optical	5.7
EOD	Explosive Ordinance Disposal	5.11
EOS	Equation of State	5.10
ESA	Electronic Safe and Arm	4.2
FA	Functional Areas	2.0, 2.2, 2.3, 2.4, 2.5, 2.6
FAC	Fast-Acting Closure	6.1
FID	Flame Ionization Detector	4.3
FPD	Flame Photometric Detector	4.3
FRG	Federal Republic of Germany	5.6
FSU	Former Soviet Union	1.1, 1.2, 1.3, 1.4, 1.5, 4.0, 4.1, 5.0, 6.0
FTA	Foreign Technology Assessment	All
FWHM	full width at half maximum	6.7
FXR	Flash x-ray	6.8
G-7	Group of Seven Industrial Nations	1.4
G-8	G-7 Nations plus Russia	2.1

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SECTION</u>
G agents	Nerve Agents	4.0, 4.1
GA	Tabun (nerve agent)	4.0, 4.1
GB	Sarin (nerve agent)	4.0, 4.1, 4.2
GC	Gas Chromatography	4.3
GD	Soman (nerve agent)	4.0, 4.1
GDP	Gross Domestic Product	5.10
GDSS	Group Decision Support System	2.3
GHz	Gigahertz (10 <sup>+9</sup> hertz)	1.4, 5.2, 5.10, 6.6, 6.8
GMP	Good Manufacturing Practices	3.1
GPa	Gigapascals	6.3
GPS	Global Positioning System	1.1, 1.2, 1.3, 1.4, 2.3, 6.0
GS	Girdler Sulfide	5.12
g's	Measure of Acceleration	1.1, 1.2, 1.5
GSAC	Gas Seal Auxiliary Closure	6.1
Gy	Gray (Gy) is a unit of absorbed dose of ionizing radiation equal to 1 joule per kilogram of absorber	2.6
HDO	Singly Deuterated Water	5.12
HE	High Explosives	1.5, 5.0, 5.6, 5.10
HEMP	High-Altitude Electromagnetic Pulse	6.0, 6.6, 6.7, 6.8
HEPA	High-Efficiency Particulate Air	3.1
HEU	Highly Enriched Uranium	5.0, 5.2, 5.3, 5.5, 5.10
HF	Hydrofluoric Acid	5.1, 5.4
HLOS	Horizontal Line-of-Sight	6.1
HNO3	Nitric Acid	5.1, 5.4
HOB	Height of Burst	4.2, 5.7, 6.0, 6.2, 6.3
HSD	High Strength-to-Density	5.0, 5.2
HTO	Singly Tritiated Water	5.13
HTT	Horizontal Tunnel Tests	6.1
HVAC	Heating, ventilation, and air conditioning	2.6
HWR	Heavy Water Reactor	5.3

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SECTION</u>
Hz	hertz	1.1, 1.2, 1.3, 1.4, 1.5, 5.0, 5.2, 5.7
IAEA	International Atomic Energy Agency	5.0, 5.4
IC	Intelligence Community	5.0
ICBM	Intercontinental Ballistic Missiles	Introduction, 1.0, 1.1, 1.2, 5.0, 6.2
IEEE	Institute of Electrical Engineers	2.5
IM&C	Information System Management and Control	2.1, 2.5
IMS	Ion Mobility Spectrometry	3.3, 4.3
IMUs	Inertial Measurement Units	1.2, 1.3, 1.4
IND	Improvised Nuclear Device	5.11
INFOSEC	Information Security	2.4
INMS	Integrated Network Management Systems	2.5
IP	Information Processing	2.3
IR	Infrared	1.3, 1.4, 4.3, 5.7, 6.3, 6.5
IS	Information System	2.0, 2.2, 2.3, 2.4, 2.5, 2.6
ISO	International Standards Organization	2.5, 5.10
ITU	International Telecommunications Union	2.1, 2.2, 2.5
IX	Information Exchange	2.2
IXCs	Inter-exchange Carriers	2.1, 2.5
JSLIST	Joint Service Lightweight Suit Technology	4.4
JSTARs	Joint Surveillance Target Attack Radar System	1.4
K	Kelvin temperature	5.9, 5.10, 6.2, 6.3
kA	kiloamperes	6.7
kbar	kilobar	6.3
kbps	kilobits per second	2.2
keV	kilo (thousand) electron volt	5.9, 5.9, 5.10, 5.13, 6.1, 6.3, 6.8

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SECTION</u>
kHz	kilohertz	1.1, 6.5
kJ	kilojoule	6.3, 6.8
km	kilometer	1.1, 1.2, 1.3, 1.5, 3.2, 4.3, 5.10, 6.5, 6.6, 6.7
kPa	kilopascal (0.00987 atmospheres)	1.1, 1.2, 6.2
kT	kilotons	5.6, 6.0, 6.2, 6.3
ktap	one thousand dyne centimeters per second	6.3
kV	kilovolt	6.6, 6.7
kV/m	thousand volts per meter	6.6, 6.8
kV/ns	thousand volts per nanosecond	6.6
kW	kilowatts	1.4, 5.2, 5.9, 6.3
L	Lithium	5.0, 5.5
LANS	Local Area Networks	2.2
LBTS	Large Blast/Thermal Simulator	6.3
LECs	Local Exchange Carriers	2.1, 2.5
LEU	Low Enriched Uranium	5.0, 5.1, 5.3
LIDAR	Light detection and ranging	3.2, 3.3, 4.3
LIHE	Light-Initiated High Explosive	6.3
LIS	Laser Isotope Separation	5.0, 5.2
LMFBR	Liquid Metal Fast Breeder Reactor	5.3
LTBT	Limited Test Ban Treaty	5.10, 6.0, 6.3, 6.5, 6.6
LWIR	long-wave infrared	6.5
m/s	meters per second	6.1
MA	mega-ampere	6.8
mA	milliamperes	1.5
MAC	Modified Auxiliary Closure	6.1
MAN/WANS	Metropolitan Area and Wide-area Networks	2.2
Mbps	Megabytes per second	2.2
MC-1	Chemical Bomb	4.2
MCTL	Militarily Critical Technologies List	All
MeV	million electron volts	5.6, 5.9, 5.13, 6.1, 6.8

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SECTION</u>
MHD-EMP	Magnetohydrodynamic Electro-magnetic Pulse	6.6
MHz	megahertz	2.1, 5.10, 6.1
MIB	Management Information Base	2.5
MIRV	Multiple Independently Targetable Reentry Vehicles	5.0
MIS	Management Information System	2.0
ML	Munitions List (Wassenaar Arrangement)	All
MLIS	Molecular Laser Isotope Separation	5.0, 5.2
MLRS	Multiple Launch Rocket System	1.0, 1.1, 1.2, 1.5, 4.0
mm	millimeter	1.4, 1.5, 4.1, 6.2
MMD	Mass Medium Diameter	3.2
MOD	Means of Delivery (of WMD)	Introduction
MOPP	Mission-Oriented Protective Posture	3.4
MOS	Metal-Oxide Semiconductor	6.4
MPa	megapascal	5.2, 5.12, 6.2
mph	mile per hour	6.2
ms	millisecond	6.1, 6.8
MS-MS	Mass Spectrometry–mass spectrometry	4.3
MT	metric ton	5.4, 6.0, 6.3
MTBF	Mean Time Between Failures	5.2
MTCR	Missile Technology Control Regime	All
MW	megawatt	5.2, 5.3, 6.3
NATO	North Atlantic Treaty Organization	4.4, 6.0, 6.2, 6.3, 6.6, 6.7
NC	numerically controlled	1.1, 1.3, 5.9
NCP	Network Control Points	2.5
NDUL	Nuclear Dual-Use List (NSG)	Introduction, 1.1, 5.2, 5.4, 5.5, 5.6, 5.7, 5.9, 5.10, 5.12, 5.13
NE	Network Element	2.5
nm	nanometer	6.2, 6.3
NNWS	Non-Nuclear Weapons States	Appendix E

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SECTION</u>	<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SECTION</u>
NOC	Network Operations Center	2.5	QL	CW Precursor	4.1
NPT	Nuclear Non-Proliferation Treaty	Appendix E	R&D	Research and Development	1.4
NRC	Nuclear Regulatory Commission	Introduction, 5.0	rad(si)	Radiation Absorbed Dose (in Silicon)	6.4, 6.7
ns	nanosecond	5.10, 6.1, 6.2, 6.4, 6.6, 6.8	rads	Radiation Absorbed Dose	6.4
NSG	Nuclear Suppliers Group	Introduction, 5.0, 5.13	RaLa	Radio Lanthanum	5.10
NTL	Nuclear Trigger List (Supplement of NSG)	Introduction, 5.3	RBMK	(Russian) High-power Pressure-tube Reactor	5.3
NUDET	Nuclear Denotation	6.3	rscs	radar cross section	1.3, 1.4
NWE	Nuclear Weapons Effects	6.0, 6.1, 6.2, 6.8	rf	radio frequency	6.5
NWES	Nuclear Weapons Effects Simulation	6.8	RMS	root-mean-square	1.4, 5.9
NWSs	Nuclear Weapons States	5.0	rpm	Revolutions per minute	1.1, 1.2
OC	Optical Carrier	2.2	RSCAAL	Remote Sensing Chemical Agent Alarm	4.3
OLAP	On-Line Analytical Processing	2.3	RV	Reentry Vehicles	1.1, 1.2, 6.2, 6.3, 6.4, 6.5
OLTP	On-Line Transaction Processing	2.3	SAFF	Safing, Arming, Fuzing, and Firing	5.0, 5.7
OOT	Object-Oriented Technologies	2.3	SAW	Surface acoustic wave	3.3, 4.3
OPSEC	Operations Security	2.4, 5.11	SCPE	Simplified Collective Protection Equipment	3.4
OTS	off-the-shelf	5.10	SCUD	Short-Range Missile	1.0, 1.2
Pa/s	pascals per second	6.3	SDH	Synchronous Digital Hierarchy	2.1, 2.2
PALs	Permissive Action Links	5.0, 5.7	SDN	Software-Defined Network	2.1, 2.2
PBV	Post-Boost Vehicle	1.2	SELT	Sheet-Explosive Loading Technique	6.3
PBX	Plastic-Bonded Explosives	5.9	SEU	Single-Event Upset	6.4
PC	Personal Computer	1.3, 1.4, 2.3, 5.0	SGEMP	System-Generated Electromagnetic Pulse	6.0, 6.4, 6.8
PD	Photo Detectors	5.10	SHF	Super High Frequency	6.5
PINs	Personal Identification Numbers	2.4	SI	Système Internationale d'Unités (the International System of Units)	2.6, 5.9
PM	Photo Multiplier	5.10	SLAM	Standoff Land Attack Missile	1.3
psi	pounds per square inch	1.2, 5.2, 6.1, 6.2, 6.3	SMNP	Simple Management Network Protocol	2.5
PSP	Plasma Separation Process	5.2	SMR	Specialized Mobile Radio	2.1, 2.6
PTT	Postal, Telephone, and Telegraph	2.5	SMS	System Management System	2.5
Pu	Plutonium	5.0, 5.6	SNM	Special Nuclear Material	5.0, 5.6, 6.0
PUREX	Plutonium Uranium Recovery by Extraction	5.4	SONET	Synchronous Optical Network	2.1, 2.2, 2.5
PWR	Pressurized Water Reactor	5.3			

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SECTION</u>
SPES	Synchronous Payload Envelopes	2.2
SPLAT	Spray Lead at Target	6.3
SREMP	Source Region Electromagnetic Pulse	6.0, 6.1, 6.7, 6.8
SS	Signaling System	2.5
STS	Stockpile to Target Sequence	5.7
T	Tritium	5.5, 5.6, 5.13
TAPS	Tunnel and Pipe Seals	6.1
TBM	Theater Ballistic Missiles	1.1, 1.2
TBP	Tri-n-butyl-phosphate	5.1, 5.4
TDD	Target Detection Device	5.7
TEL	Transporter/Erector Launcher	1.1, 1.3
TERCOM	Terrain Contour Matching	1.3
TFC	Transverse Field Compensation	4.3
TMNs	Telecommunication Management Networks	2.2, 2.5
TMS	Thermomechanical Shock	6.8
TN	Thermonuclear	5.6, 5.13
TNT	Trinitrotoluene	5.0, 5.7, 5.10, 6.2
TREE	Transient Radiation Effects on Electronics	6.0, 6.4, 6.8
TSR	Thermostructural Shock	6.8
TSS	Telecommunications System Sector	2.5
TV	Television	3.1, 5.10
TVC	Thrust Vector Control	1.2
TW	Toxin weapon; throw weight	3.1, 6.8
TWG	Technology Working Group	Introduction, 5.0
U	Uranium	5.0, 5.1
UAV	Unmanned Aerial Vehicles	1.3, 1.5, 5.8
UGT	Underground Testing	6.0, 6.1
UGWET	Underground Weapons Evaluation and Testing	6.1

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SECTION</u>
UHF	Ultra High Frequency	6.5
UK	United Kingdom	All
UN	United Nations	1.1, 4.1
USAMRIID	United States Army Medical Research Institute of Infectious Diseases	3.0
USML	United States Munitions List	All
USSR	Union of Soviet Socialist Republics	3.0
UV	Ultraviolet	3.1, 6.5
V/m	volts/meter	6.7
V-A	volt-ampere	5.2
V Agents	Nerve Agents	4.0, 4.1
VCNs	Voice Communications Network	2.5
VIS	Visible	6.5
VPNs	Virtual Private Networks	2.5
VSATs	Very-Small-Aperture Terminals	2.1
VX	Nerve Agent	4.0, 4.1, 4.2, 4.3
WA	Wassenaar Arrangement	All
WA Cat	Wassenaar Arrangement—Dual-use List Category	All
WA ML	Wassenaar Arrangement—Munitions List	All
WEB	Weapons Effects Test	2.3
WMD	Weapons of Mass Destruction	Introduction, 1.0, 1.3, 1.4, 1.5, 2.0, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 3.0, 5.7
WSMR	White Sands Missile Range	6.2
WST	Weapons Systems Technologies	Introduction
WWI	World War I	4.0
WWMCCS	World-Wide Military Command and Control Systems	2.6